MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

WinDoor, Inc.
7500 Amsterdam Drive
Orlando, FL 32832

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "3000" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **FEI0003**, titled "Series 3000 Fixed Impact (LMI) Window", sheets 1 through 12 of 12, dated 06/29/11, with revision B dated 10/12/12, prepared by PTC Product Design Group, LLC, signed and sealed by Robert James Amoruso, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA# 12-0320.13** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**

MIAMI-DADE COUNTY APPROVED

1/9/13

NOA No. 12-1106.03
Expiration Date: September 16, 2014
Approval Date: January 17, 2013

WinDoor, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **FEI0003**, Sheets 1 through 9 of 9, titled "Series 3000 Fixed Impact (LMI) Window", dated 06/29/11, with revision a dated 02/14/12, prepared by PTC Product Design Group, LLC, signed and sealed by Robert James Amoruso, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

   along with marked-up drawings and installation diagram of series 5000 aluminum fixed window, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3562-1**, specimens: **TFX-1, TFX-2, TFX-3, TFX-4, TFX-5 and TFX-6**, dated 09/24/08, and amendment letter dated 11/24/09, all signed and sealed by Gerard John Ferrara, P.E.
   (Submitted under previous NOA #09-0519.05)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

   along with marked-up drawings and installation diagram of series 5000 aluminum fixed window, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3563-1**, specimens: **TFX-7, TFX-8, TFX-9 and TFX-10**, dated 09/24/08, and amendment letter dated 11/24/09, all signed and sealed by Gerard John Ferrara, P.E.
   (Submitted under previous NOA #09-0519.05)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

   along with marked-up drawings and installation diagram of series 5000 aluminum fixed window, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3564-1**, specimens: **TFX-11, TFX-12, TFX-13 and TFX-14,** dated 09/24/08, and amendment letter dated 11/24/09, all signed and sealed by Gerard John Ferrara, P.E.
   (Submitted under previous NOA #09-0519.05)

Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-1106.03
Expiration Date: September 16, 2014
Approval Date: January 17, 2013

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 03/18/09, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P.E. ***(Submitted under previous NOA#11-0815.08)***
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11–0624.02** issued to **E.I. DuPont DeNemours & Co.**, Inc. for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and no financial interest, dated October 29, 2012, signed and sealed by Robert James Amoruso, P.E.
2. Laboratory compliance letters for Test Reports No. **NCTL-210-3562-1**, **NCTL-210-3563-1,** and **NCTL-210-3564-1,** issued by National Certified Testing Laboratories, dated November 18 and 24, 2008, signed and sealed by Gerard J. Ferrara, P.E. ***(Submitted under previous NOA #09-0519.05)***

G. OTHERS

1. Notice of Acceptance No. **12-0320.13**, issued to WinDoor, Inc. for their Series "3000" Aluminum Fixed Window – L.M.I., approved on 03/31/12 and expiring on 09/16/14.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-1106.03
Expiration Date: September 16, 2014
Approval Date: January 17, 2013

WINDOOR, Inc.

IMPACT SERIES 3000 Fixed Window, LMI

INSTALLATION ANCHORAGE DETAILS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-1106.03
Expiration Date Sept. 16, 2014
By Manuel Perez
Miami Dade Product Control

GENERAL NOTES:

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE 2007 AND 2010 FLORIDA BUILDING CODE (FBC) AT THE DESIGN PRESSURES STATED HEREIN. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT # NCTL-210-3743-3A, NCTL-210-3743-5A AND NCTL-210-3743-7A DATED 09/29/2008 AND ASSOCIATED LABORATORY STAMPED DRAWINGS AND WERE TESTED IN ACCORDANCE WITH CURRENT DADE COUNTY PROTOCOLS.
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
3. WHEN WOOD BUCKS ARE USED, THEY SHALL NOT BE CONSIDERED PART OF THE STRUCTURAL SUBSTRATE REGARDLESS OF THEIR ATTACHMENT TO THE STRUCTURAL SUBSTRATE. WOOD BUCKS SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
4. WHEN 1X AND 2X WOOD BUCKS ARE USED AND IN CONTACT WITH CONCRETE AND/OR MASONRY, THE WOOD USED SHALL BE EITHER A PRESERVATIVE TREATED SOUTHERN YELLOW PINE OR A DURABLE WOOD SPECIES IN ACCORDANCE WITH 2007 AND 2010 FBC – BUILDING, SECTION 2326.2. THE WOOD USED MUST HAVE A SPECIFIC GRAVITY OF 0.55 MINIMUM.
5. AN IMPACT PROTECTIVE SYSTEM (I.E. SHUTTERS, ETC.) IS NOT REQUIRED WITH THESE WINDOWS.
6. WINDOW FRAME MATERIAL: ALUMINUM 6063-T6.
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e1.
8. A 1/3 INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THE DESIGN OF THE PRODUCTS SHOWN HEREIN. WIND LOAD DURATION FACTOR (Cd = 1.6) HAS NOT BEEN USED FOR WOOD ANCHOR DESIGN.

TABLE 1 - ANCHOR SCHEDULE

Substrate	Minimum Concrete Strength (psi)	Anchor Type	Size	Manufacturer	Minimum Embedment (in)	Minimum Edge Distance (in)	Comments
CMU	See Note 13.c	Carbon Steel Concrete Screw	1/4"	ITW Buildex Tapcon	1 1/4	2 1/2	See Table 1 notes.
				Elco Tapcon	1 1/4	1 3/4	
Concrete	3192	Carbon Steel Concrete Screw	1/4"	ITW Buildex Tapcon	1 3/4	1 7/8	
	2000	Carbon Steel Concrete Screw		ITW Buildex Tapcon with Advanced Threadform Technology	1 3/4	1 1/2	
	3000	Stainless Steel Concrete Screw			1 3/4	1 1/4	
	2700	Carbon Steel Concrete Screw		Elco Tapcon	1 3/4	1 3/8	
	2000	Carbon Steel Concrete Screw		Power Fasteners Tapper	1 3/4	2 7/8	
	2000	Stainless Steel Concrete Screw			1 3/4	2 1/2	
Wood Frame	n/a	Wood Screw (WS) - Carbon or Stainless Steel	#14 WS	ANSI B18.6.1 (WS)	1 1/2	1	
		Sheet Metal Screw (SMS) - Carbon or Stainless Steel	1/4" SMS	ANSI B18.6.4 (SMS) (Type AB)	1 1/2	1	
Mullion (Jamb Only)	n/a	Sheet Metal Screw (SMS) - Carbon Steel or Stainless Steel	1/4" SMS	ANSI B18.6.4 (SMS) (Type D,F,G ot T pilot hole required) or ITW/Buildex TEK Screws	3 screw threads embedment past inside of mullion's web.	n/a	

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON THE ELEVATIONS.
2. NOT APPLICABLE.
3. ALL INSTALLATION ANCHORS MUST HAVE A CORROSION RESISTANT COATING OR BE MADE OF STAINLESS STEEL.
4. SEAL FRAME CORNERS AT SILL-TO-JAMB AND HEAD-TO-JAMB WITH SMALL JOINT SEAM SEALANT.
5. SEAL ALL INSTALLATION ANCHOR HEADS WITH SMALL JOINT SEAM SEALANT DURING INSTALLATION. APPLY SEALANT IN COUNTERSINK BEFORE ANCHOR INSTALLATION AND SEAL ANCHOR HEAD AFTER ANCHOR INSTALLATION. SEE CORNER DETAIL.
6. THE SPACING OF INSTALLATION ANCHORS DEPICTED IS THE MAXIMUM SPACING TO BE USED FOR PRODUCT INSTALLATION. ANCHORS ARE TO MATCH TYPE, SIZE, EDGE DISTANCE AND EMBEDMENT OF THOSE SHOWN IN TABLE 1 FOR RESPECTIVE SUBSTRATE.
7. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM THICKNESS IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
8. FOR INSTALLATION INTO WOOD FRAMING, USE WOOD SCREWS OR TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE THE MINIMUM EMBEDMENT, MINIMUM EDGE DISTANCE AND MINIMUM ANCHOR SEPARATION OF 1 INCH AS SHOWN IN TABLE 1.
9. FOR INSTALLATION THROUGH 1X WOOD BUCK TO CONCRETE / MASONRY, OR DIRECTLY INTO CONCRETE / MASONRY, USE CONCRETE SCREWS OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE AS SHOWN IN TABLE 1. TO PREVENT WOOD BUCKING FROM SPLITTING, DRILL 1/4" DIAMETER HOLE TO ACCOMODATE ANCHORS.
10. FOR INSTALLATION INTO APPROVED MULLION, USE TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS EMBEDMENT PAST INSIDE OF MULLION'S WEB AS SHOWN ON TABLE 1. APPLICABLE ONLY FOR JAMB TO MULLION CONNECTION, SHIMS CANNOT BE USED.
11. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING).
12. FOR CONCRETE BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
13. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
    A. WOOD - SOUTHERN YELLOW PINE. MINIMUM SPECIFIC GRAVITY OF 0.55.
    B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH SHOWN IN TABLE 1 AND COMPLIES WITH ACI 301.
    C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 MEDIUM WEIGHT (DENSITY > 117 PCF). GROUT FILLED PER FLORIDA BUILDING CODE.

Table 1 - Notes:

A. Other manufacturer's concrete screws may be acceptable if they meet or exceed the allowable shear value of 264 lbs, are installed at a minimum embedment required for that allowable and the installation meets the edge distance and spacing requirements for that anchor at the prescribed shear capacity.
B. All screws will be "flat" head.
C. Screw lengths will be sufficient to allow the minimum embedment to be made into the receiving substrate.

TABLE OF CONTENTS

REVISIONS

SHEET	REV	DESCRIPTION	DATE	BY
.	B	REVISED TABLE OF CONTENTS	10/12/12	JBH
.	A	UPDATE TO 2010 FBC	02/14/12	JBH

Robert J. Amoruso, P.E.
FL License No. 49752

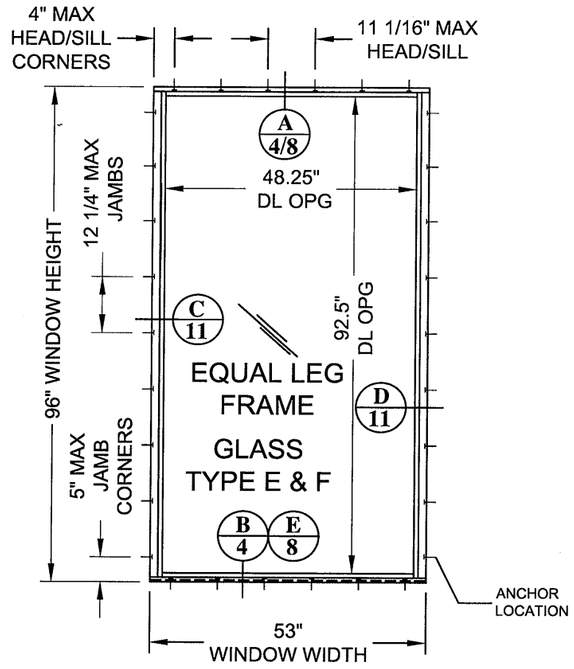
ROBERT JAMES AMORUSO LICENSE No 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER 10/29/12

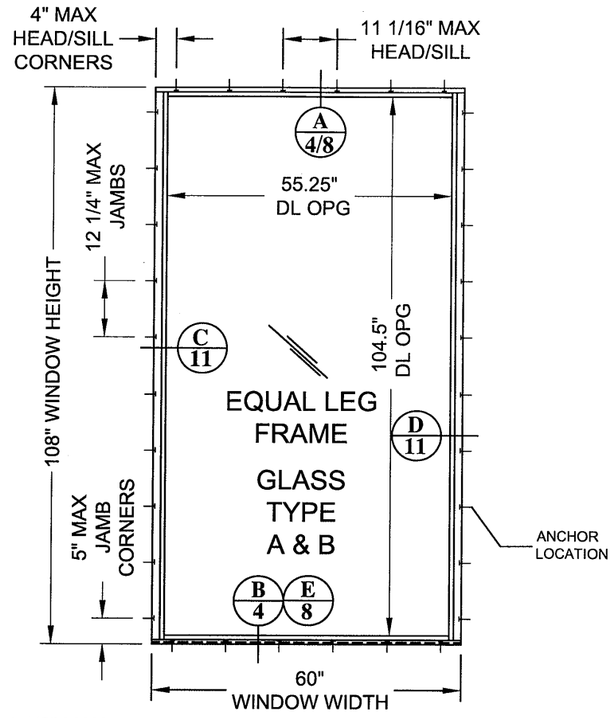
PTC Product Design Group, LLC
PO Box 520775
Longwood, FL 32752-0775
321-690-1788 (P) 321-690-1789 (F)
FBPE Cert. of Auth. No. 25935

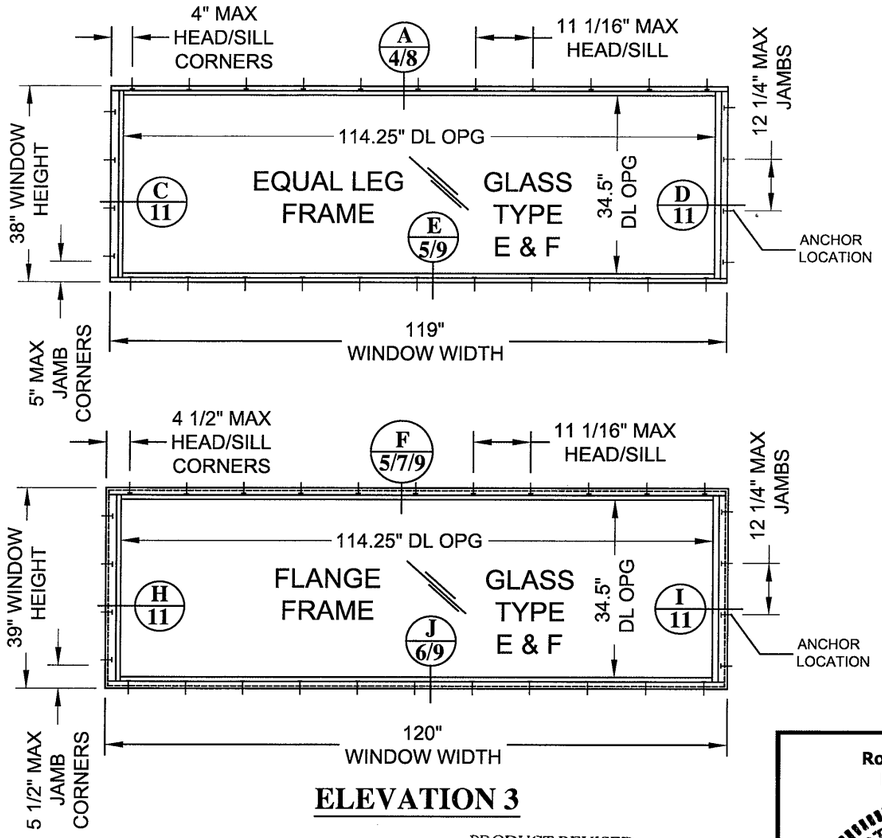
WINDOOR INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

DRAWING TITLE:
SERIES 3000 FIXED IMPACT (LMI) WINDOW
GENERAL AND INSTALLATION NOTES

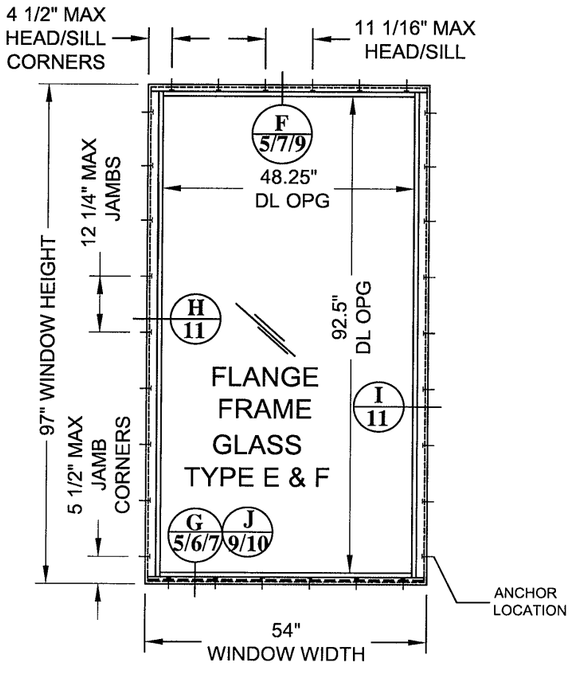
SIZE	DRAWN BY:	DWG NO.	REV
.	JBH	FEI0003	B
SCALE NTS	DATE: 06/29/11	SHEET 1OF12	



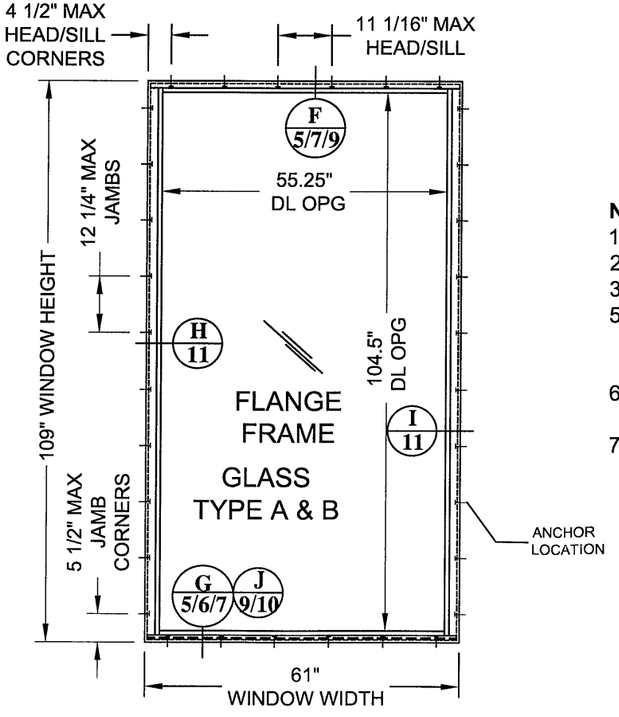




ELEVATION 3



ELEVATION 1



ELEVATION 2

NOTES:

1- ELEVATIONS ARE VIEWED FROM EXTERIOR.
2- ALL DIMENSIONS ARE IN INCHES.
3- DL OPG: DAY LIGHT OPENING.
5- ANCHOR LOCATION SPACINGS SHOWN FOR THE JAMBS ARE THE SAME FOR A WALL OR A MULLION.
6- FOR EQUAL LEG WINDOWS, BUCK DIMENSIONS ARE THE SAME AS WINDOW DIMENSIONS.
7- FOR FLANGE WINDOWS, BUCK DIMENSIONS ARE 1" LESS THAN WINDOW DIMENSIONS.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-1106.03
Expiration Date Sept. 16, 2014.
By Miami-Dade Product Control

REVISIONS			
SHEET	REV	DESCRIPTION	DATE	BY
.	B	UPDATED AND ADDED SECTION CALLOUTS	10/12/12	RJA
.	A	UPDATE TO 2010 FBC	02/14/12	JBH

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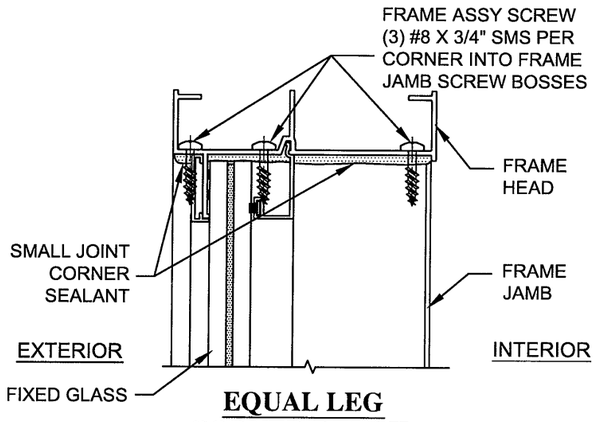
DRAWING TITLE:
SERIES 3000 FIXED IMPACT (LMI) WINDOW
ELEVATION AND ANCHOR DETAILS

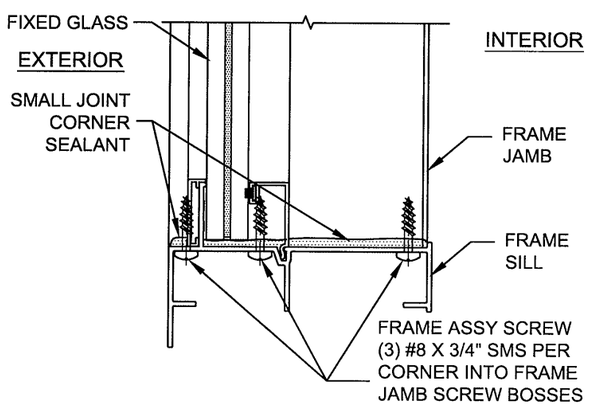
SIZE	DRAWN BY:	DWG NO.	REV
.	JBH	FEI0003	B
SCALE NTS	DATE: 06/29/11	SHEET 2OF12	

TABLE 2 - Design Pressure (psf) for large Missile Impact					
Elevation	Window Size based on Buck Width and Height (in)		Design Pressure (psf) Concrete/Masonry, Wood and Mullion Substrates (see Table 3 for installations in wood substrates)		Impact Rating
	Width	Height	Lami	Lami+IG	
1	up to 53"	up to 96"	110	109	Large Missile Impact
1	up to 52-1/8"	up to 96"	110	110	
2	up to 60"	up to 108"	110	107	
2	up to 58"	up to 108"	110	110	
2	up to 60"	up to 105"	110	110	
3	60" to 119"	up to 38"	131	128	



EQUAL LEG CORNER DETAIL

ASSEMBLY AT HEAD, SIMILAR FOR THE SILL



FLANGE FRAME CORNER DETAIL

ASSEMBLY AT SILL, SIMILAR FOR THE HEAD

TABLE 3 Large Missile Impact - Wood Substrate Installations						
Elevation	Window Size based on Buck Width and Height (in)				Design Pressure (psf)	Impact Rating
	Width		Height		Lami & Lami+IG	
1	47		> 82	to 83	109	Large Missile Impact
1	47		> 91	to 92	108	
1	47		> 92	to 93	107	
1	47		> 93	to 94	105	
1	47		> 94	to 95	104	
1	52	1/8	> 87	to 88	108	
1	52	1/8	> 88	to 89	106	
1	52	1/8	> 89	to 90	105	
1	52	1/8	> 90	to 91	103	
1	52	1/8	> 91	to 92	101	
1	52	1/8	> 92	to 93	100	
1	52	1/8	> 93	to 94	98	
1	52	1/8	> 94	to 95	97	
1	52	1/8	> 95	to 96	96	
1	53		> 79	to 80	108	
1	53		> 80	to 81	106	
1	53		> 81	to 82	104	
1	53		> 82	to 83	102	
1	53		> 86	to 87	109	
1	53		> 87	to 88	107	
1	53		> 88	to 89	104	
1	53		> 89	to 90	104	
1	53		> 90	to 91	102	
1	53		> 91	to 92	100	
1	53		> 92	to 93	99	
1	53		> 93	to 94	97	
1	53		> 94	to 95	96	
1	53		> 95	to 96	106	
2	52	1/8	> 96	to 97	106	
2	52	1/8	> 97	to 98	105	
2	52	1/8	> 98	to 99	103	
2	52	1/8	> 99	to 100	102	
2	52	1/8	> 100	to 101	100	
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2	53		> 103	to 104	95	
2	53		> 104	to 105	94	
2	53		> 105	to 106	93	
2	53		> 106	to 107	92	
2	53		> 107	to 108	91	

TABLE 3 - continued Large Missile Impact - Wood Substrate Installations						
Elevation	Window Size based on Buck Width and Height (in)				Design Pressure (psf)	Impact Rating
	Width		Height		Lami & Lami+IG	
2	60		> 69	to 70	109	Large Missile Impact
2	60		> 70	to 71	106	
2	60		> 76	to 77	108	
2	60		> 77	to 78	106	
2	60		> 78	to 79	104	
2	60		> 79	to 80	102	
2	60		> 80	to 81	100	
2	60		> 81	to 82	98	
2	60		> 82	to 83	96	
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2	60		> 99	to 100	93	
2	60		> 100	to 101	92	
2	60		> 101	to 102	91	
2	60		> 102	to 103	89	
2	60		> 103	to 104	88	
2	60		> 104	to 105	87	
2	60		> 105	to 106	86	
2	60		> 106	to 107	85	
2	60		> 107	to 108	93	

NOTES:

1- FOR EQUAL LEG WINDOWS, BUCK DIMENSIONS ARE THE SAME AS WINDOW DIMENSIONS.
2- FOR FLANGE WINDOWS, BUCK DIMENSIONS ARE 1" LESS THAN WINDOW DIMENSIONS.
3- LAMI: LAMINATED GLASS
4- IG: INSULATED GLASS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-1106.03
Expiration Date Sept. 16, 2014
By Manuel Perez
Miami Dade Product Control

REVISIONS			
SHEET	REV	DESCRIPTION	DATE	BY
.	0	ORIGINAL ISSUE	06/29/11	RJA
.	A	UPDATE TO 2010 FBC	02/14/12	JBH

Robert J. Amoruso, P.E.
FL License No. 49752

ROBERT JAMES AMORUSO LICENSE No 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER 10/29/13

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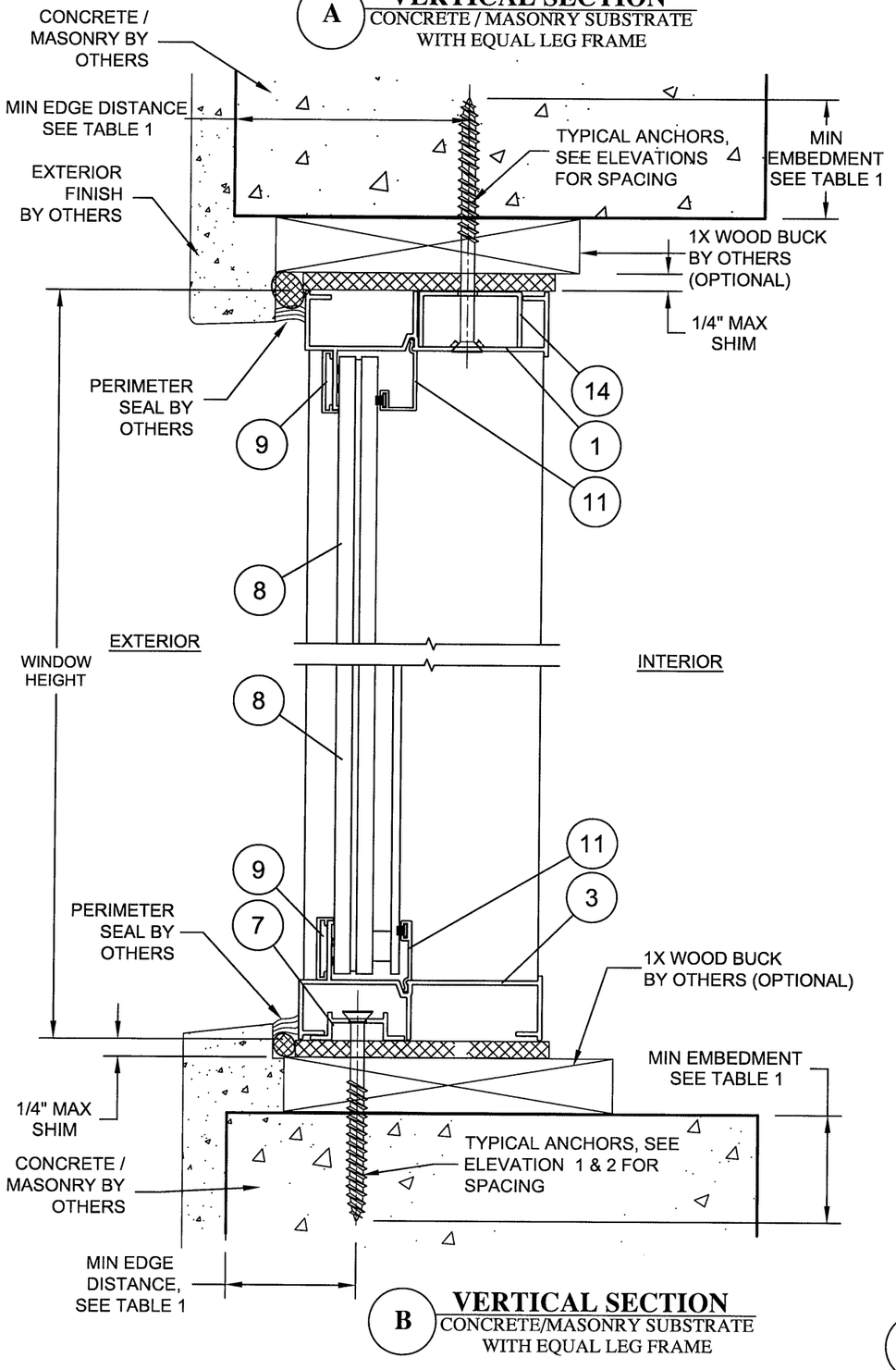
www.windoorinc.com

DRAWING TITLE:
SERIES 3000 FIXED IMPACT (LMI) WINDOW
DESIGN PRESSURE TABLES AND CORNER DETAILS

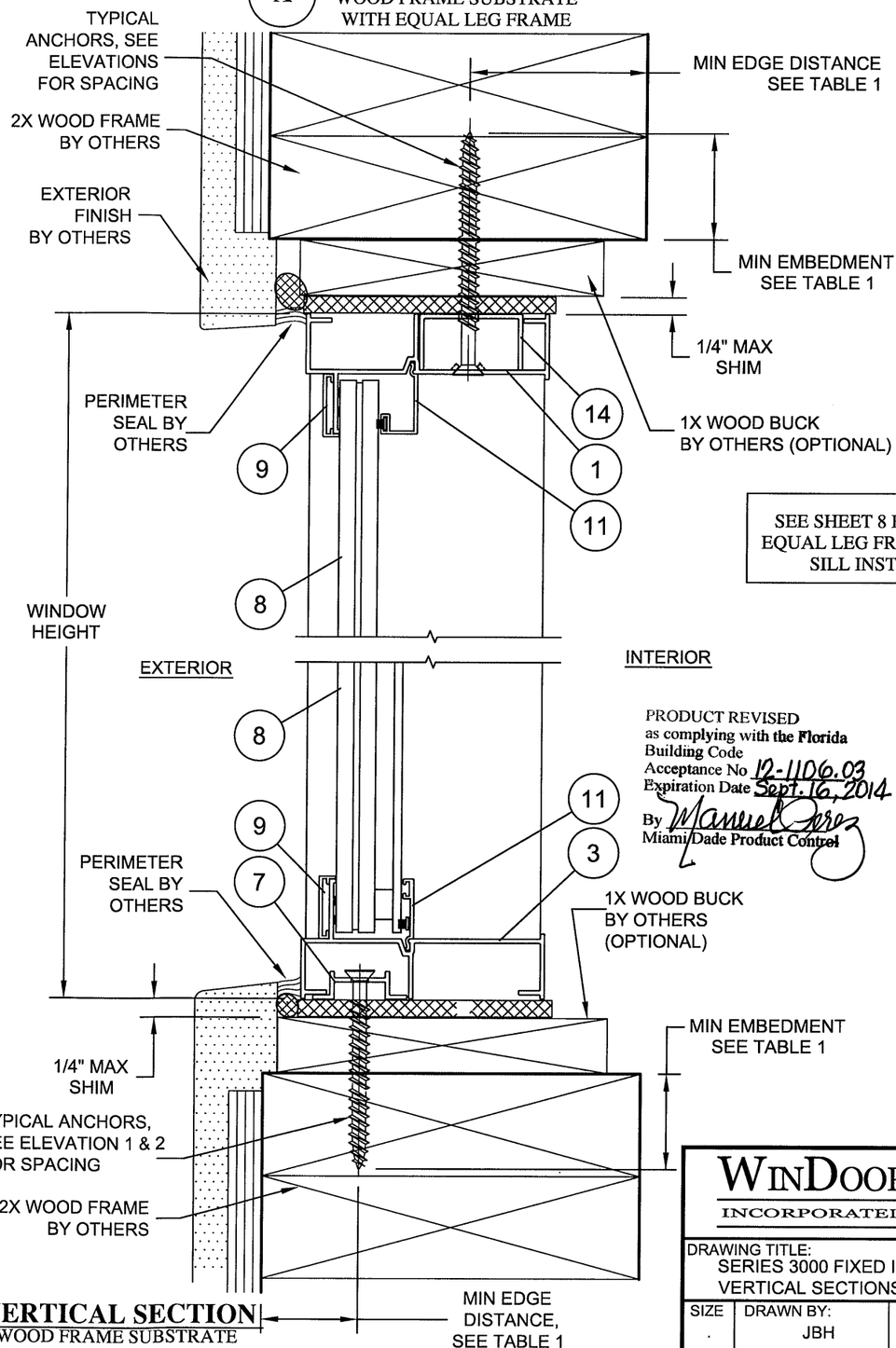
SIZE	DRAWN BY:	DWG NO.	REV
	JBH	FEI0003	A
SCALE: NTS	DATE: 06/29/11	SHEET 3OF12	

A VERTICAL SECTION
CONCRETE / MASONRY SUBSTRATE
WITH EQUAL LEG FRAME



B VERTICAL SECTION
CONCRETE/MASONRY SUBSTRATE
WITH EQUAL LEG FRAME

A VERTICAL SECTION
WOOD FRAME SUBSTRATE
WITH EQUAL LEG FRAME



SEE SHEET 8 FOR RECESSED EQUAL LEG FRAME HEAD AND SILL INSTALLATION

B VERTICAL SECTION
WOOD FRAME SUBSTRATE
WITH EQUAL LEG FRAME

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-1106.03
Expiration Date Sept. 16, 2014
By Manuel Perez
Miami-Dade Product Control

REVISIONS			
SHEET	REV	DESCRIPTION	DATE	BY
.	B	ADDED RECESSED HEAD AND SILL NOTE	10/12/12	JBH
.	A	UPDATE TO 2010 FBC	02/14/12	JBH

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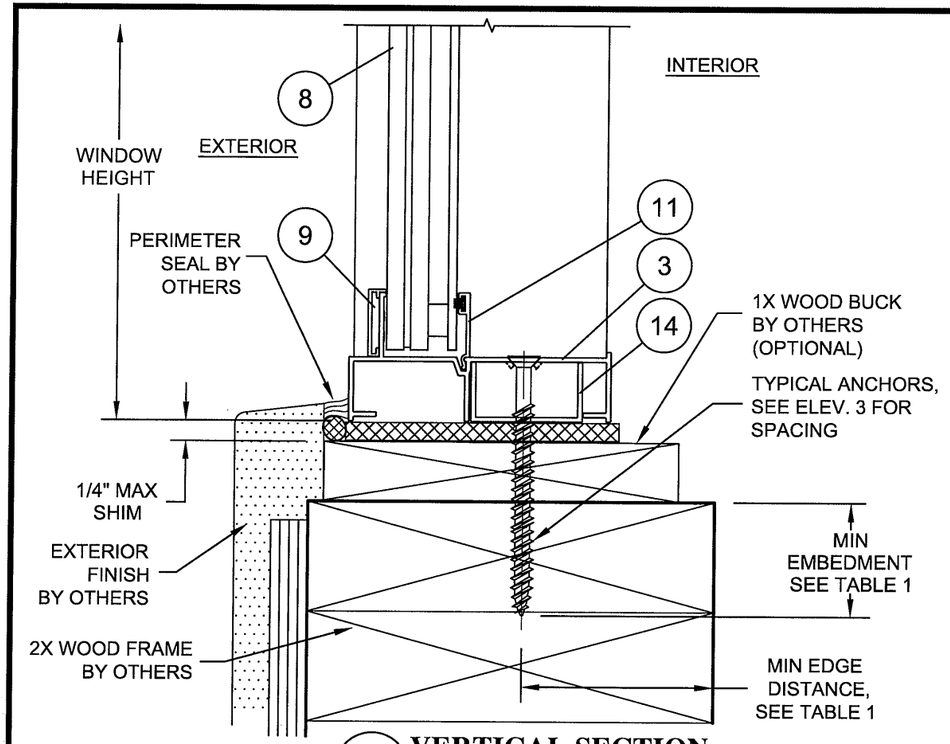
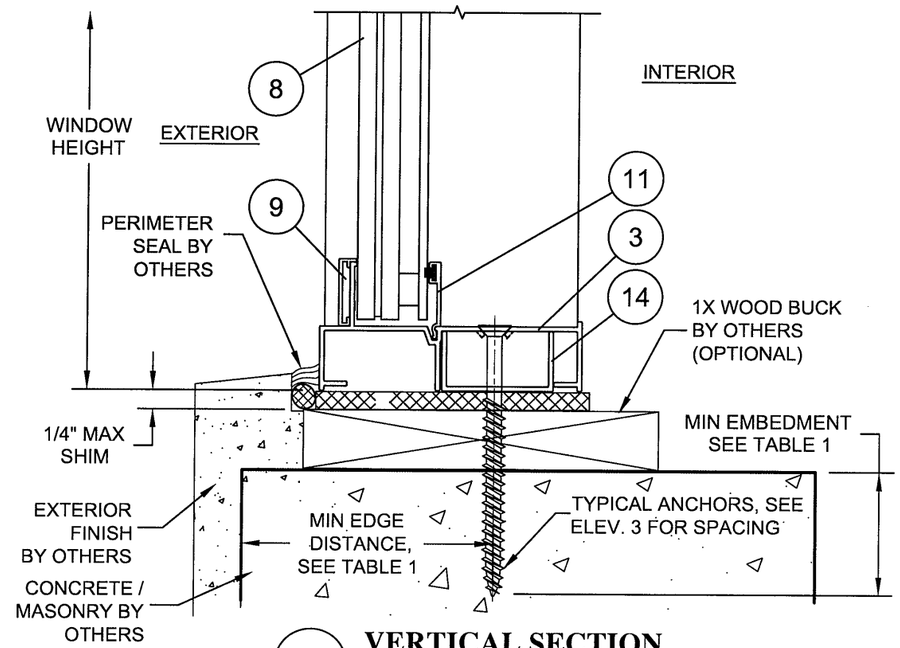
DRAWING TITLE:
SERIES 3000 FIXED IMPACT (LMI) WINDOW
VERTICAL SECTIONS A & B

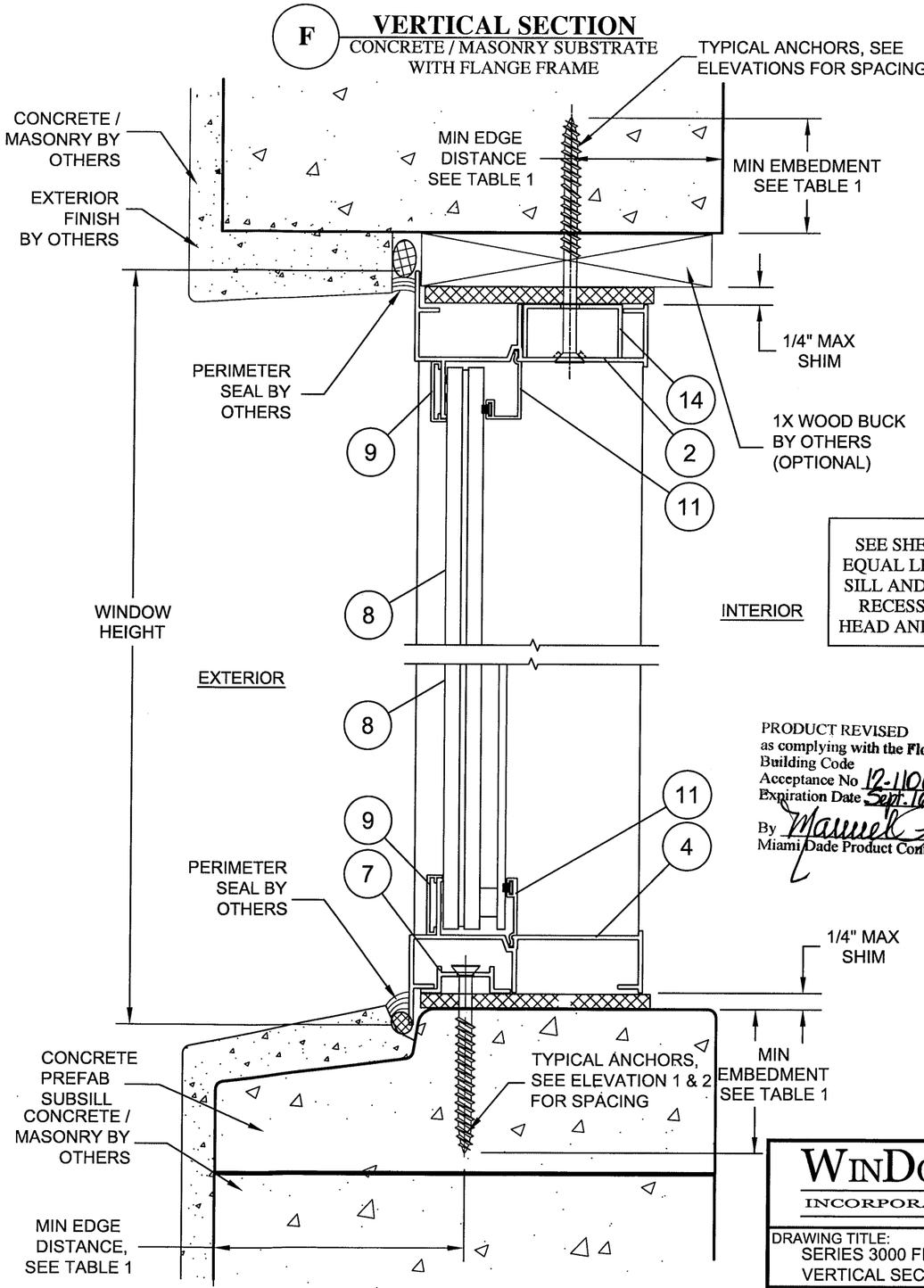
SIZE	DRAWN BY:	DWG NO.	REV
.	JBH	FEI0003	B
SCALE	NTS	DATE: 06/29/11	SHEET 4OF12



E VERTICAL SECTION
WOOD FRAME SUBSTRATE
WITH EQUAL LEG FRAME



E VERTICAL SECTION
CONCRETE/MASONRY SUBSTRATE
WITH EQUAL LEG FRAME



F VERTICAL SECTION
CONCRETE / MASONRY SUBSTRATE
WITH FLANGE FRAME

G VERTICAL SECTION
CONCRETE/MASONRY SUBSTRATE
WITH FLANGE FRAME

SEE SHEET 8 FOR RECESSED EQUAL LEG FRAME HEAD AND SILL AND SHEET 9 AND 10 FOR RECESSED FLANGE FRAME HEAD AND SILL INSTALLATION

PRODUCT REVISED
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REVISIONS			
SHEET	REV	DESCRIPTION	DATE	BY
.	B	ADDED RECESSED HEAD AND SILL NOTE	10/12/12	JBH
.	A	UPDATE TO 2010 FBC	02/14/12	JBH

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10/29/13

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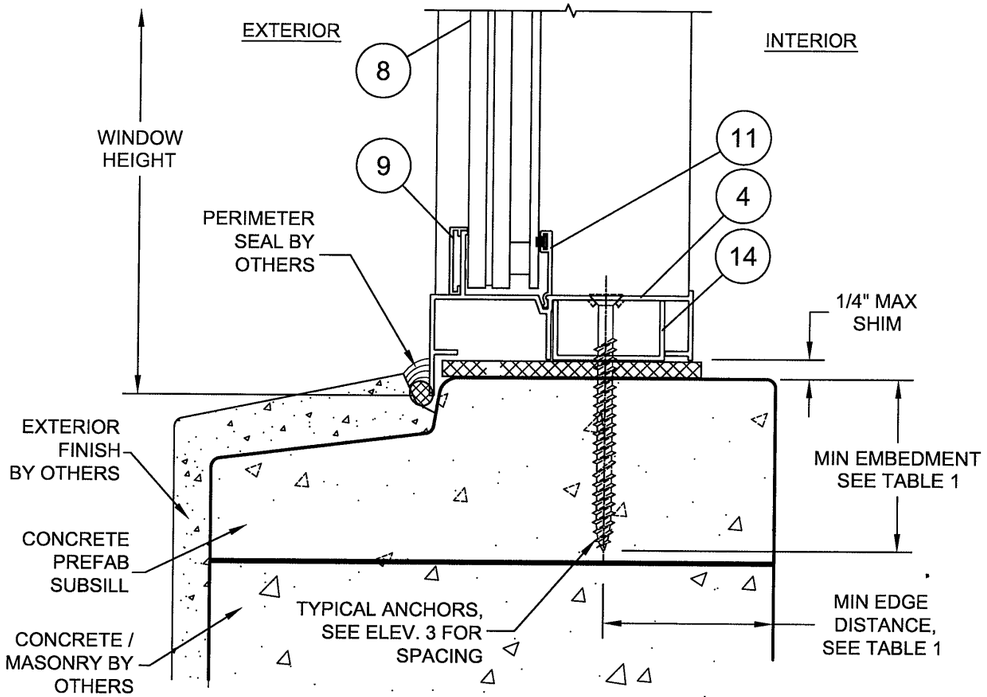
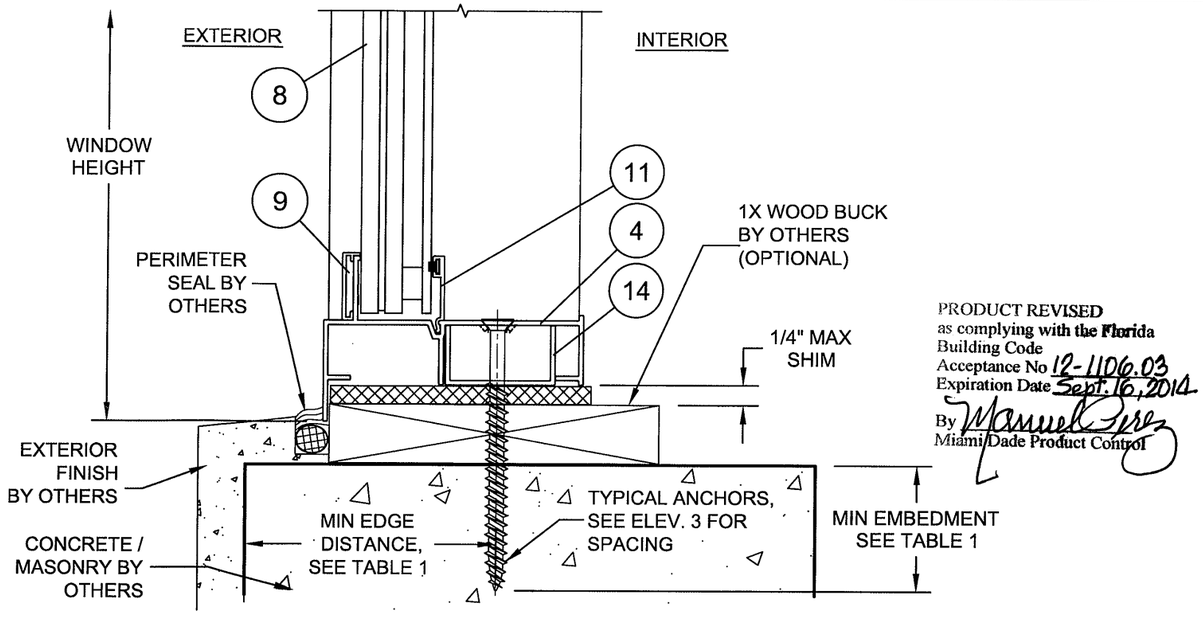
DRAWING TITLE:
SERIES 3000 FIXED IMPACT (LMI) WINDOW
VERTICAL SECTIONS E, F AND G

SIZE	DRAWN BY:	DWG NO.	REV
.	JBH	FEI0003	B
SCALE NTS	DATE: 06/29/11	SHEET 5OF12	



J VERTICAL SECTION
CONCRETE/MASONRY SUBSTRATE
WITH FLANGE FRAME



J VERTICAL SECTION
CONCRETE/MASONRY SUBSTRATE
WITH FLANGE FRAME

PRODUCT REVISED
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Building Code
Acceptance No 12-1106.03
Expiration Date Sept. 16, 2014
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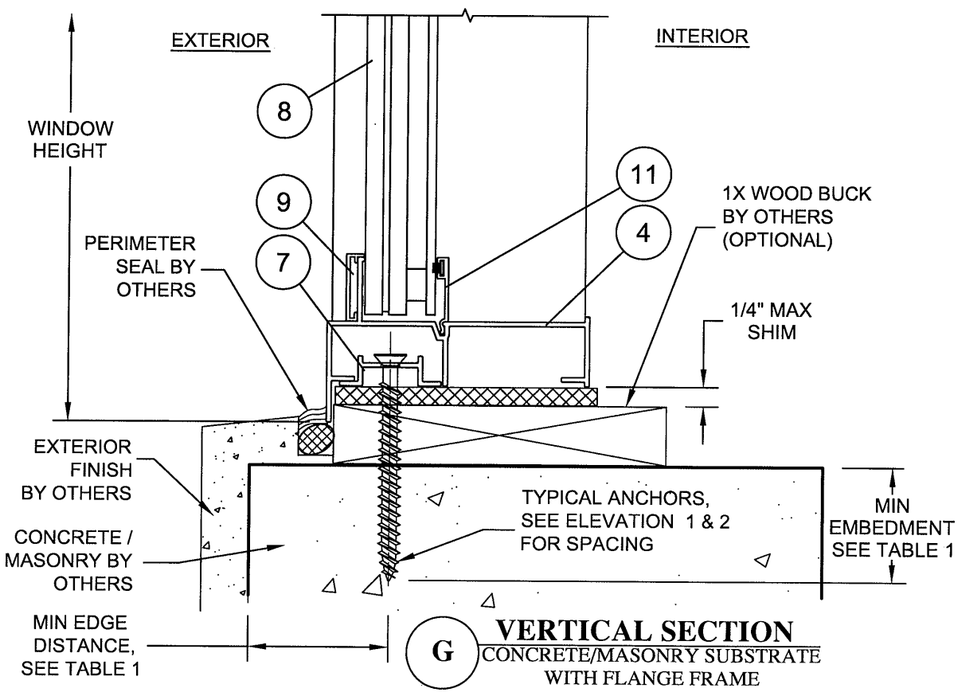
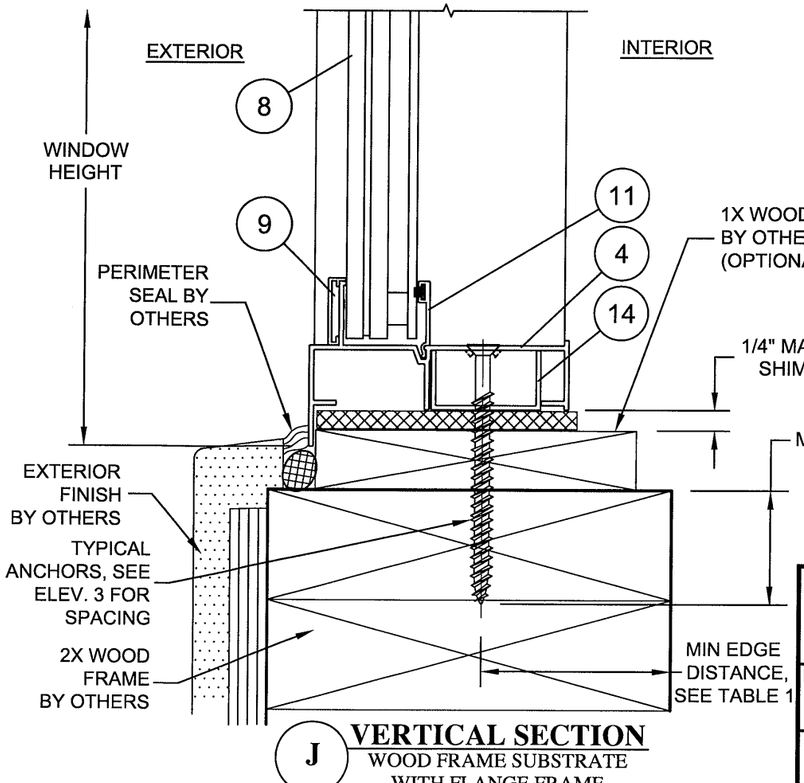
SEE SHEET 9 AND 10 FOR
RECESSED FLANGE FRAME
HEAD AND SILL INSTALLATION



G VERTICAL SECTION
CONCRETE/MASONRY SUBSTRATE
WITH FLANGE FRAME



J VERTICAL SECTION
WOOD FRAME SUBSTRATE
WITH FLANGE FRAME

REVISIONS			
SHEET	REV	DESCRIPTION	DATE	BY
.	B	ADDED RECESSED HEAD AND SILL NOTE	10/12/12	JBH
.	A	UPDATE TO 2010 FBC	02/14/12	JBH

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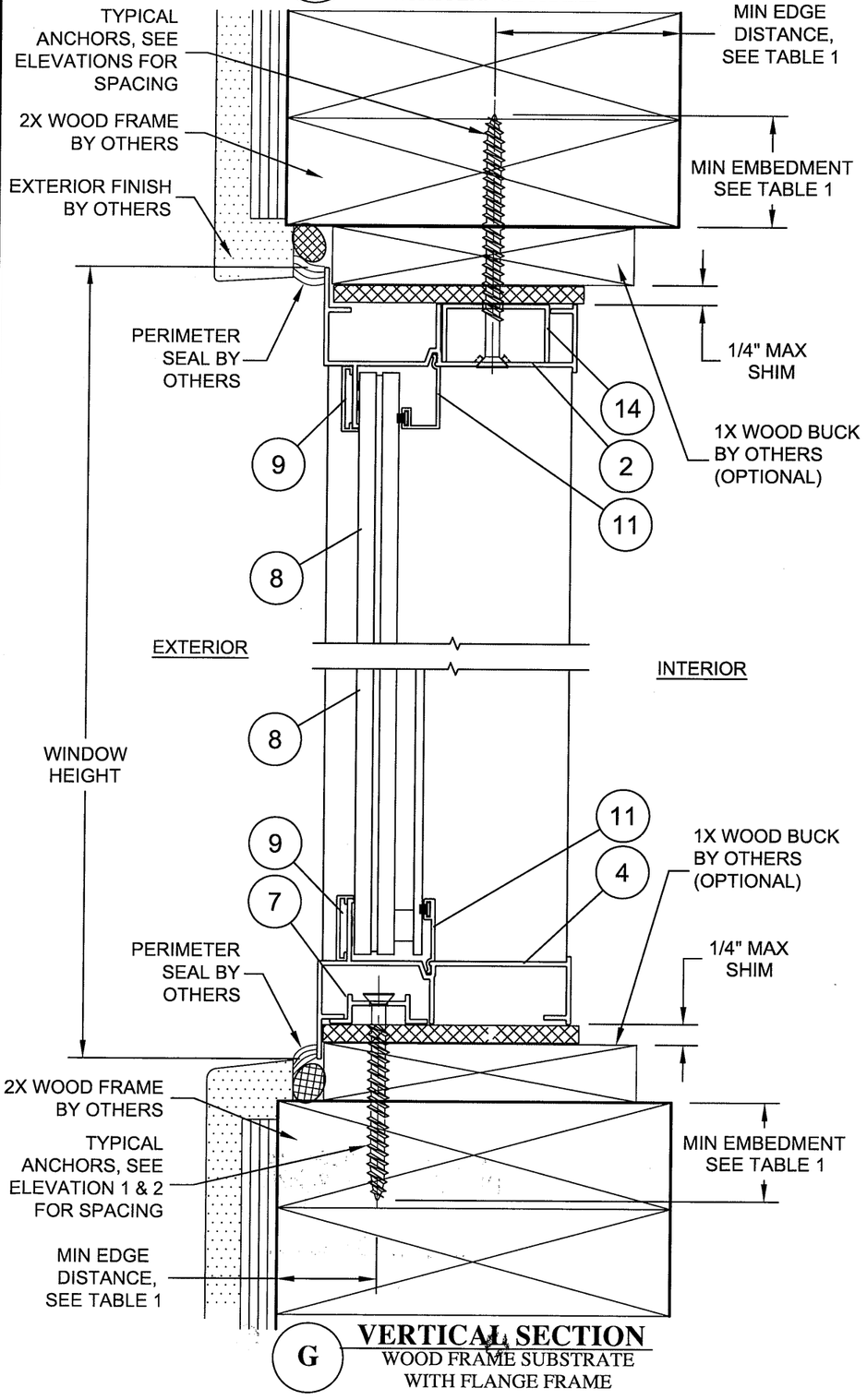
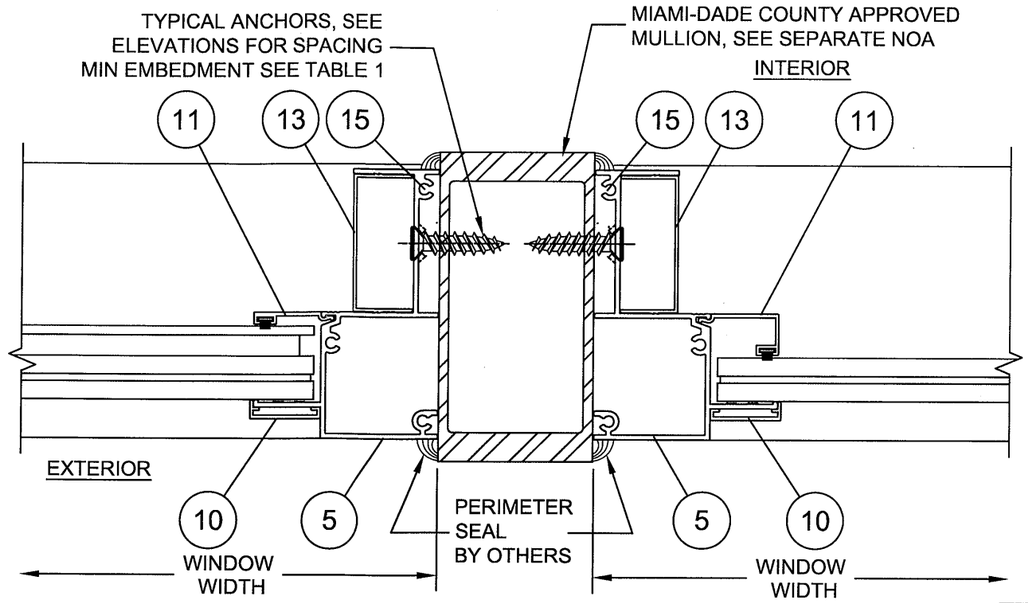
DRAWING TITLE:
SERIES 3000 FIXED IMPACT (LMI) WINDOW
VERTICAL SECTIONS G & J

SIZE	DRAWN BY:	DWG NO.	REV
.	JBH	FEI0003	B
SCALE NTS	DATE: 06/29/11	SHEET 6OF12	

F VERTICAL SECTION
WOOD FRAME SUBSTRATE
WITH FLANGE FRAME



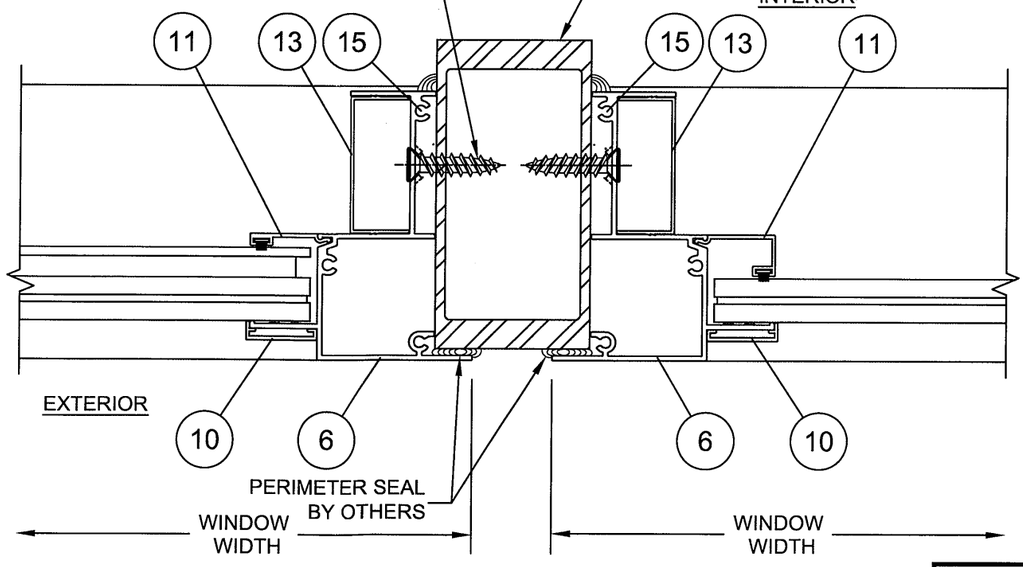
G VERTICAL SECTION
WOOD FRAME SUBSTRATE
WITH FLANGE FRAME



HORIZONTAL SECTION
2x4 ALUMINUM TUBE MULLION
WITH EQUAL LEG FRAME

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-1106.03
Expiration Date Sept. 16, 2014
By Manuel Perez
Miami-Dade Product Control

SEE SHEET 9 AND 10 FOR
RECESSED FLANGE FRAME
HEAD AND SILL INSTALLATION



HORIZONTAL SECTION
2x4 ALUMINUM TUBE MULLION
WITH FLANGE FRAME

REVISIONS			
SHEET	REV	DESCRIPTION	DATE	BY
.	B	ADDED RECESSED HEAD AND SILL NOTE	10/12/12	JBH
.	A	UPDATE TO 2010 FBC	02/14/12	JBH

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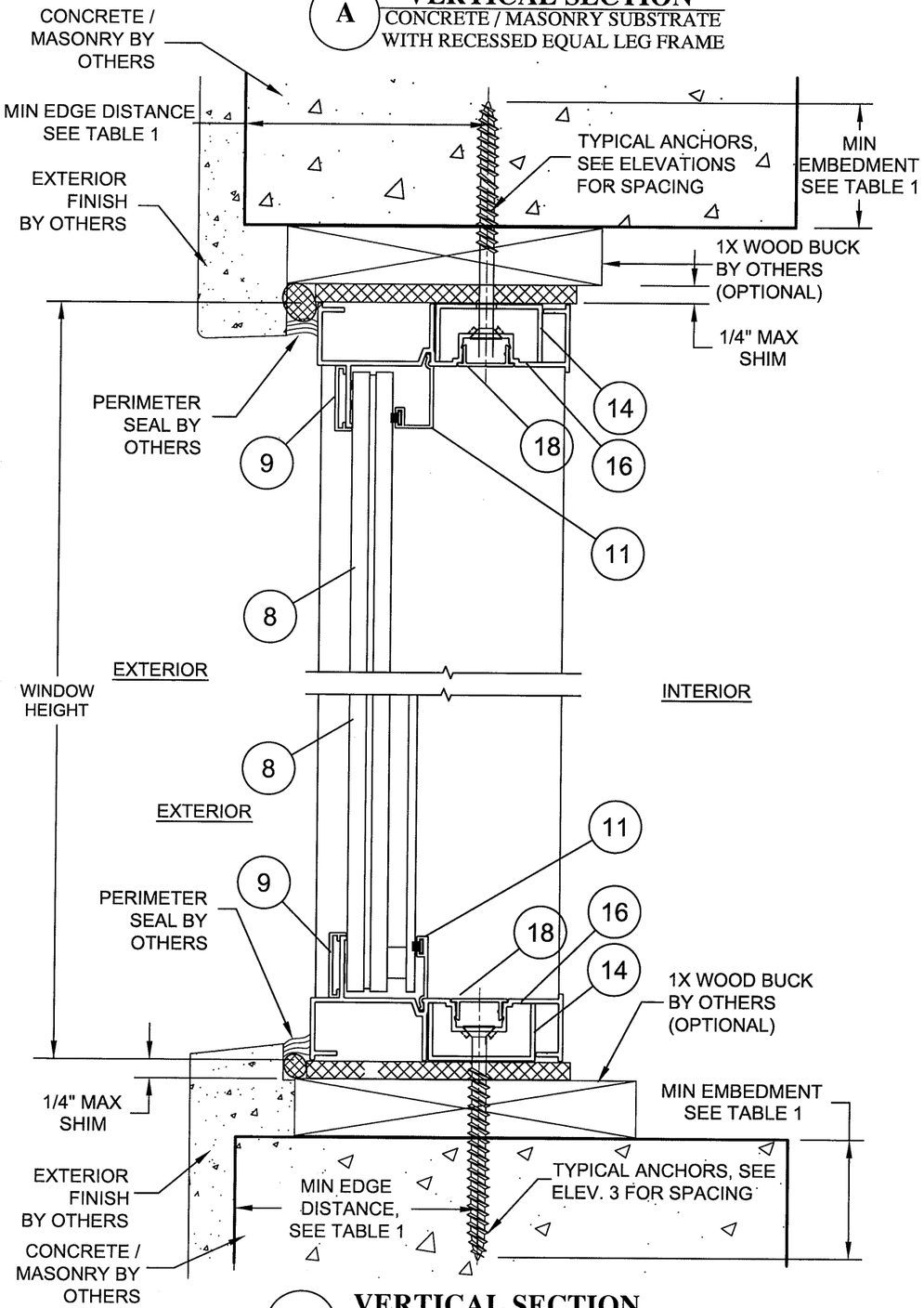
DRAWING TITLE:
SERIES 3000 FIXED IMPACT (LMI) WINDOW
VERTICAL SECTIONS F & G; HORIZONTAL MULLION SECTIONS

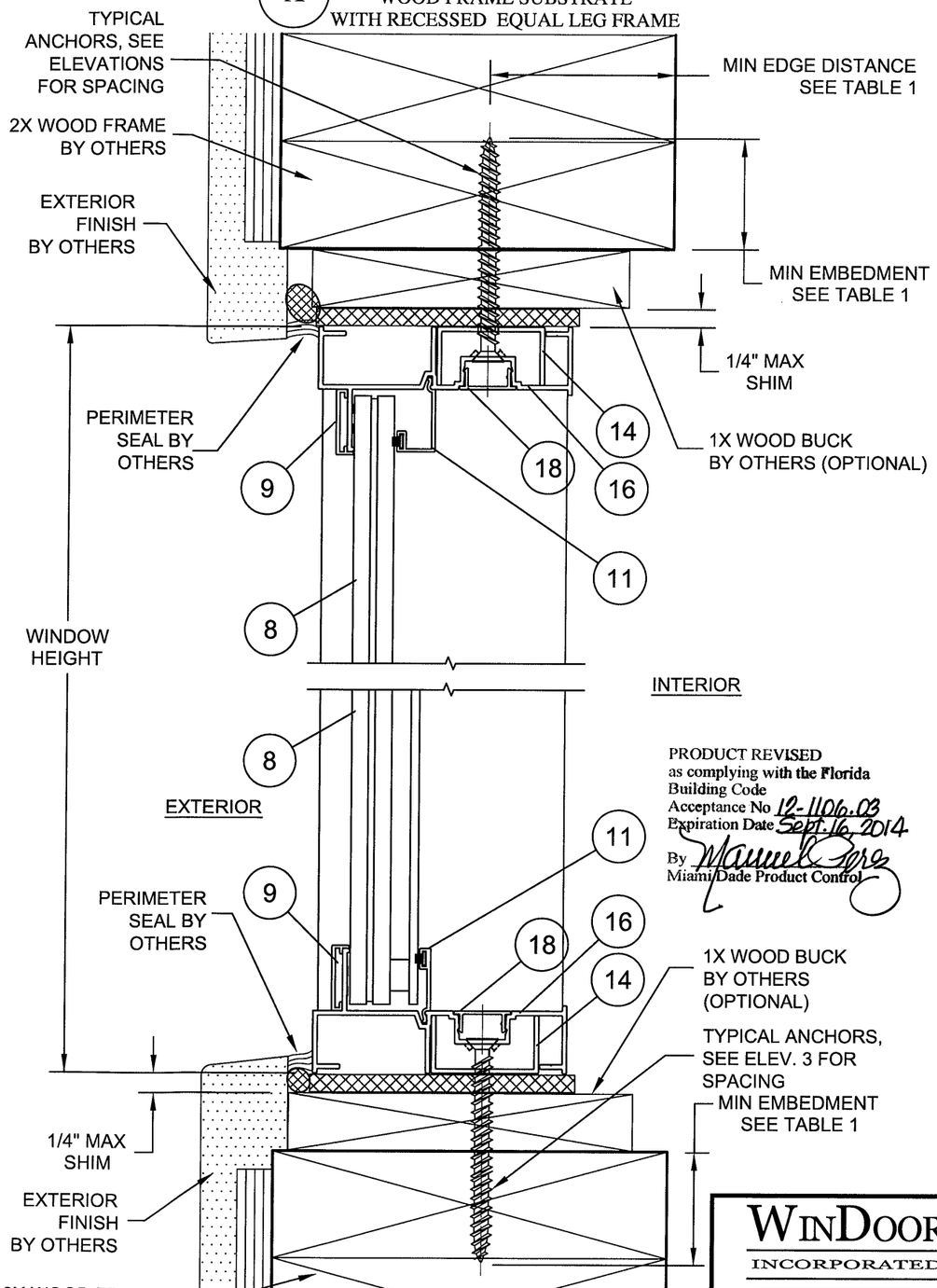
SIZE	DRAWN BY:	DWG NO.	REV
.	JBH	FEI0003	B
SCALE NTS	DATE: 06/29/11	SHEET 7OF12	

A VERTICAL SECTION
CONCRETE / MASONRY SUBSTRATE
WITH RECESSED EQUAL LEG FRAME



E VERTICAL SECTION
CONCRETE/MASONRY SUBSTRATE
WITH RECESSED EQUAL LEG FRAME

A VERTICAL SECTION
WOOD FRAME SUBSTRATE
WITH RECESSED EQUAL LEG FRAME



E VERTICAL SECTION
WOOD FRAME SUBSTRATE
WITH RECESSSED EQUAL LEG FRAME

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-1106.03
Expiration Date Sept. 16, 2014
By Miami-Dade Product Control

REVISIONS			
SHEET	REV	DESCRIPTION	DATE	BY
.	B	ADDED RECESSED EQ LEG HEAD AND SILL	10/12/12	JBH
.	A	UPDATE TO 2010 FBC	02/14/12	JBH

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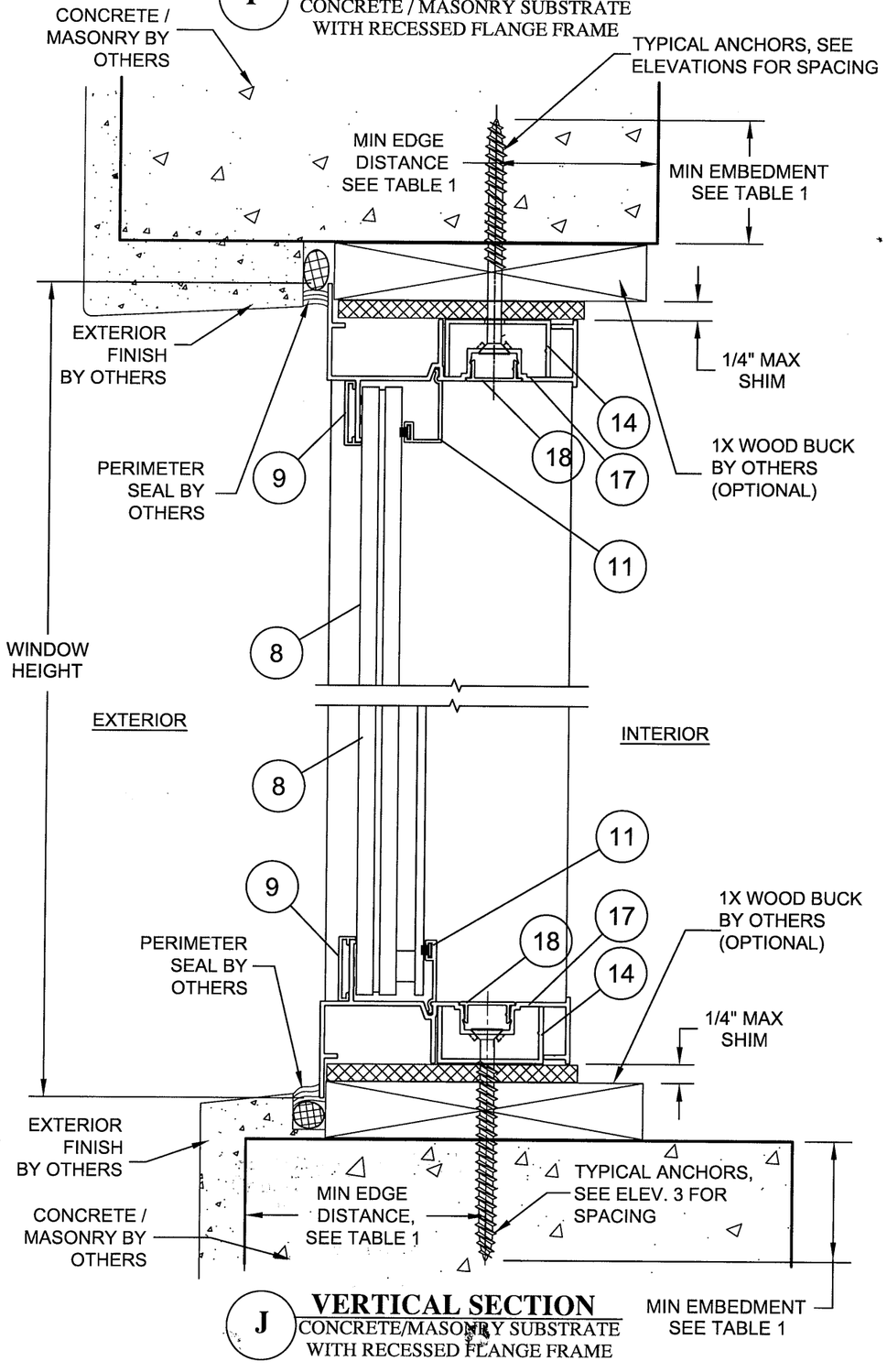
DRAWING TITLE:
SERIES 3000 FIXED IMPACT (LMI) WINDOW
VERTICAL SECTIONS A & E RECESSED EQ LEG HEAD AND SILL

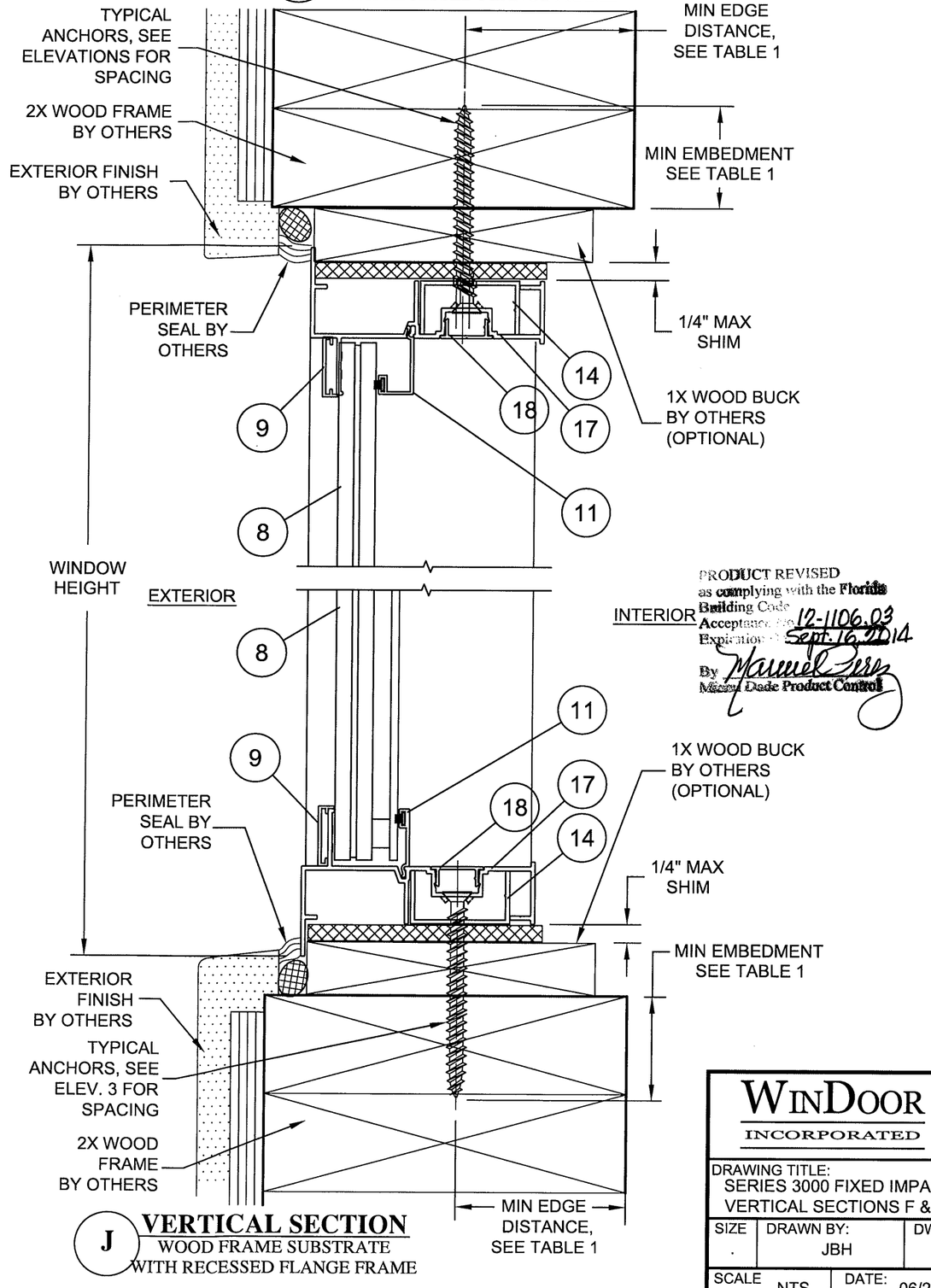
SIZE	DRAWN BY:	DWG NO.	REV
.	JBH	FEI0003	B
SCALE NTS	DATE: 06/29/11	SHEET 8OF12	

F VERTICAL SECTION
CONCRETE / MASONRY SUBSTRATE
WITH RECESSED FLANGE FRAME



J VERTICAL SECTION
CONCRETE/MASONRY SUBSTRATE
WITH RECESSED FLANGE FRAME

F VERTICAL SECTION
WOOD FRAME SUBSTRATE
WITH RECESSED FLANGE FRAME



J VERTICAL SECTION
WOOD FRAME SUBSTRATE
WITH RECESSED FLANGE FRAME

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 12-1106.03
Expiration: Sept. 16, 2014
By: Miami-Dade Product Control

REVISIONS

SHEET	REV	DESCRIPTION	DATE	BY
.	B	ADDED RECESSED FLANGE HEAD AND SILL	10/12/12	JBH
.	A	UPDATE TO 2010 FBC	02/14/12	JBH

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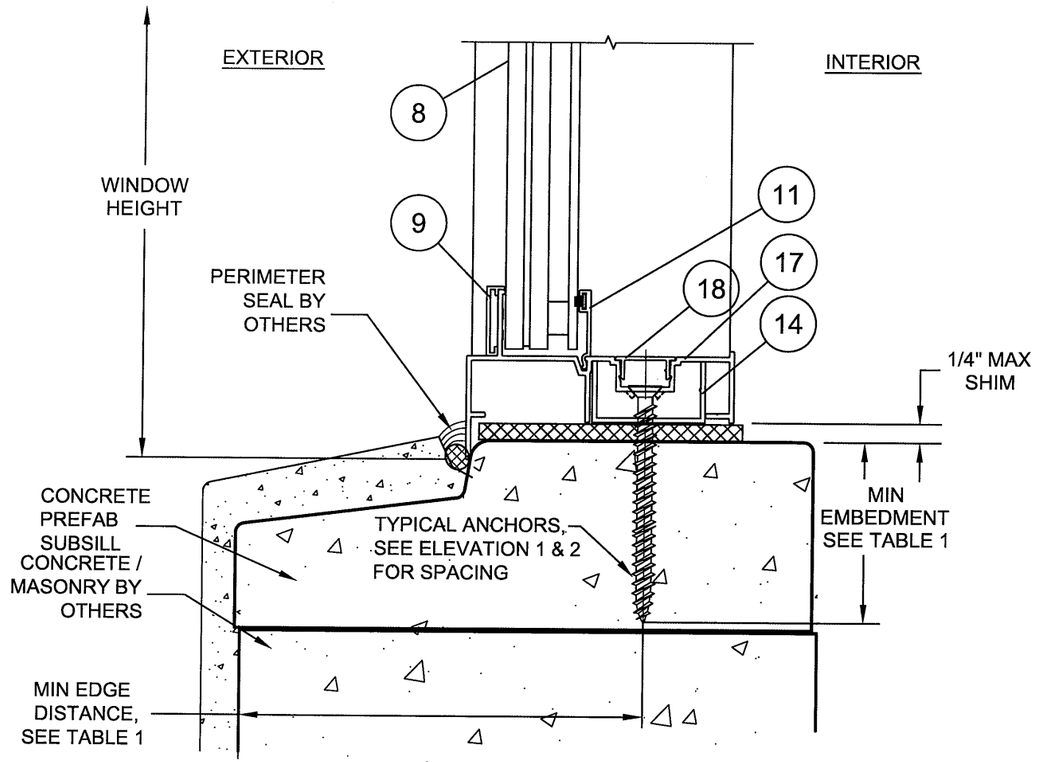
DRAWING TITLE:
SERIES 3000 FIXED IMPACT (LMI) WINDOW
VERTICAL SECTIONS F & J RECESSED FLANGE HEAD AND SILL

SIZE	DRAWN BY:	DWG NO.	REV
.	JBH	FEI0003	B
SCALE: NTS	DATE: 06/29/11	SHEET 9OF12	



J **VERTICAL SECTION**
CONCRETE/MASONRY SUBSTRATE
WITH RECESSED FLANGE FRAME

REVISIONS			
SHEET	REV	DESCRIPTION	DATE	BY
.	B	ADDED RECESSED FLANGE SILL	10/12/12	JBH
.	A	UPDATE TO 2010 FBC	02/14/12	JBH

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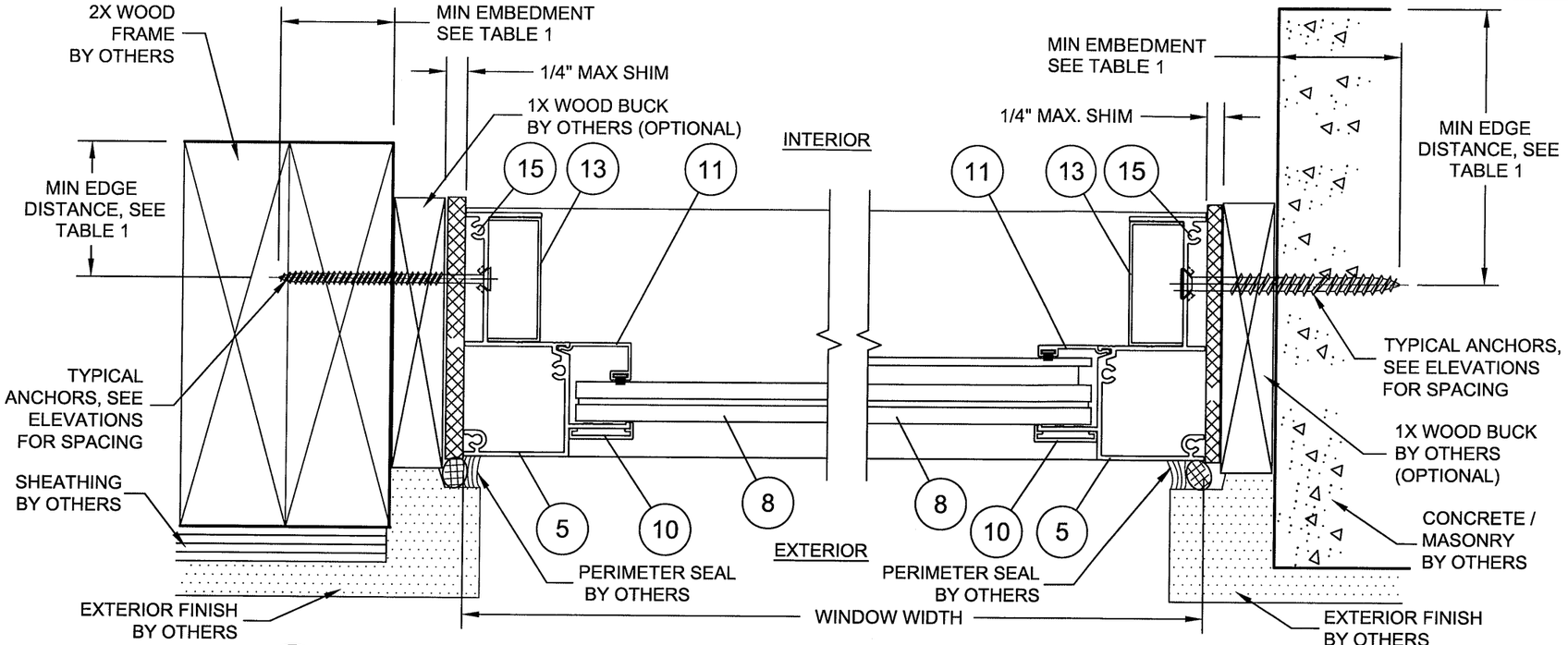
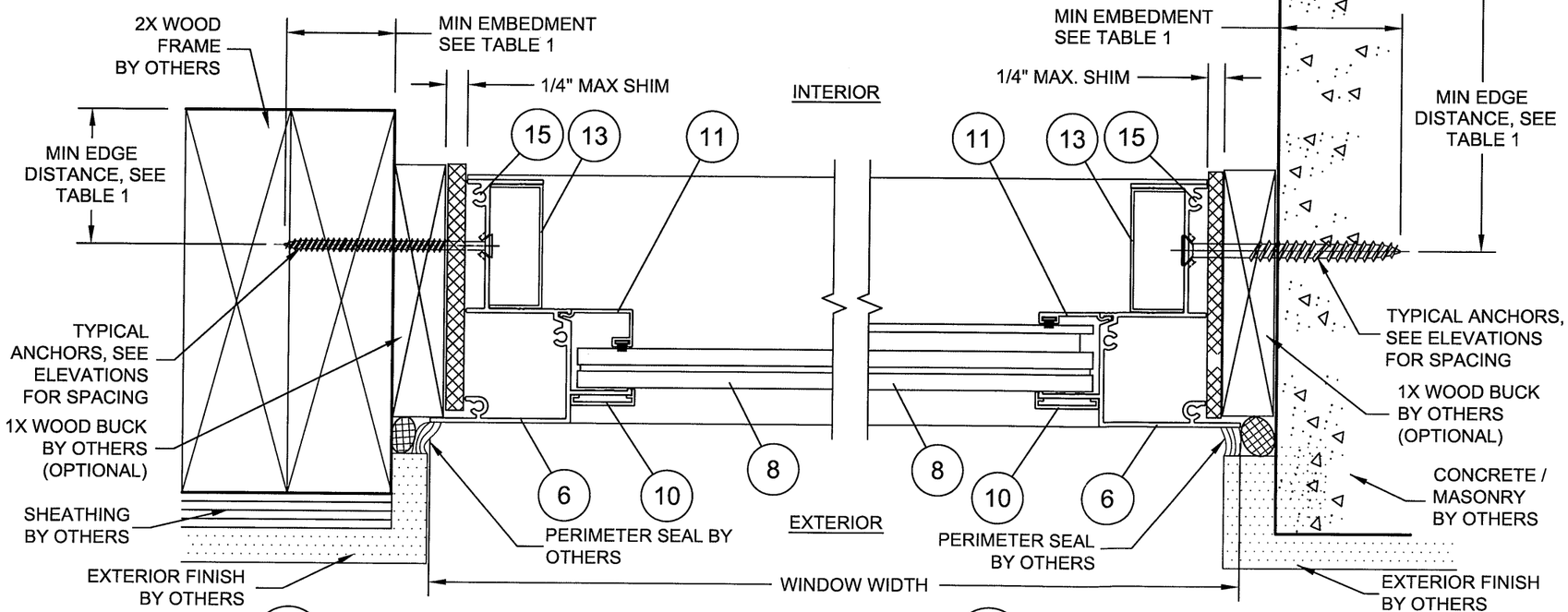
DRAWING TITLE:
SERIES 3000 FIXED IMPACT (LMI) WINDOW
VERTICAL SECTION J RECESSED FLANGE SILL

SIZE	DRAWN BY:	DWG NO.	REV
.	JBH	FEI0003	B
SCALE NTS	DATE: 06/29/11	SHEET 10OF12	



C **HORIZONTAL SECTION**
WOOD FRAME SUBSTRATE
WITH EQUAL LEG FRAME

D **HORIZONTAL SECTION**
CONCRETE / MASONRY SUBSTRATE
WITH EQUAL LEG FRAME



H **HORIZONTAL SECTION**
WOOD FRAME SUBSTRATE
WITH FLANGE FRAME

I **HORIZONTAL SECTION**
CONCRETE / MASONRY SUBSTRATE
WITH FLANGE FRAME

REVISIONS			
DESCRIPTION	DATE	BY	
ORIGINAL ISSUE	06/29/11	RJA	
UPDATE TO 2010 FBC	02/14/12	JBH	

SHEET	REV
.	0
.	A

PRODUCT REVISED
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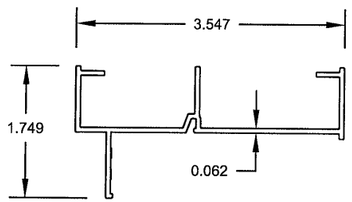
DRAWING TITLE:
SERIES 3000 FIXED IMPACT (LMI) WINDOW
HORIZONTAL SECTIONS C, D, H & I

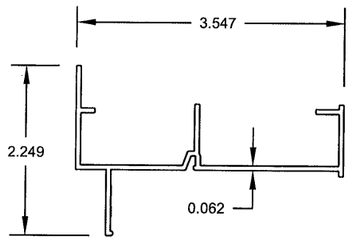
SIZE	DRAWN BY:	DWG NO.	REV
.	JBH	FEI0003	A

SCALE	DATE:	SHEET
NTS	06/29/11	11OF12

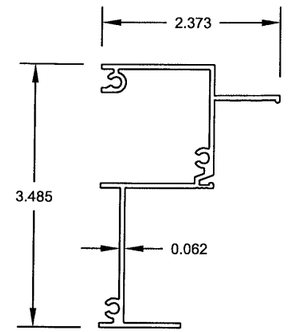
1 3 FRAME HEAD OR SILL-EQ LEG



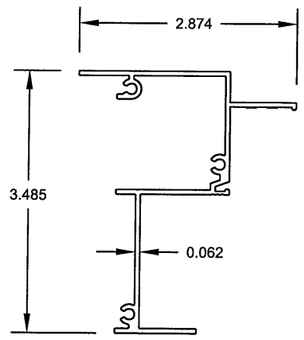
2 4 FRAME HEAD OR SILL-FLANGE



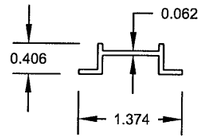
5 FRAME JAMB-EQ LEG



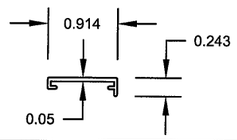
6 FRAME JAMB-FLANGE



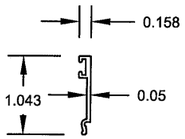
7 SILL RETAINER



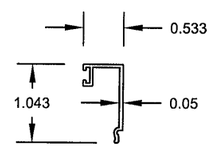
9 10 MUNTIN ADAPTOR HORIZONTAL OR VERTICAL



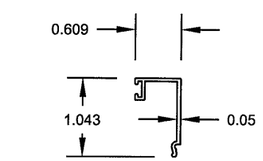
11 GLAZING BEAD HORIZONTAL OR VERTICAL FOR 1" GLASS



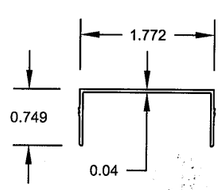
11 GLAZING BEAD HORIZONTAL OR VERTICAL FOR 9/16" GLASS



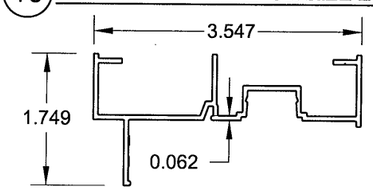
11 GLAZING BEAD HORIZONTAL OR VERTICAL FOR 7/16" GLASS



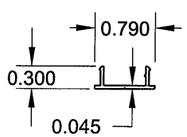
13 JAMB FILLER



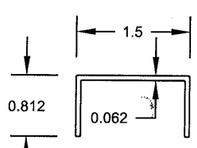
16 RECESSED FR HEAD OR SILL EQ LEG



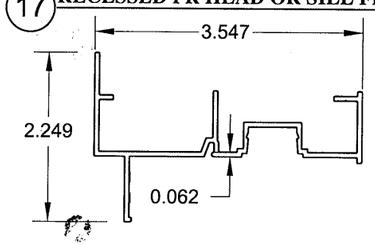
18 RECESSED TRACK COVER



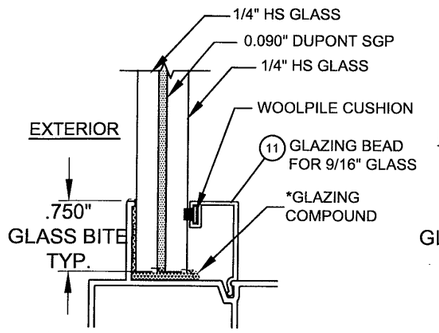
14 FRAME HEAD OR SILL FILLER



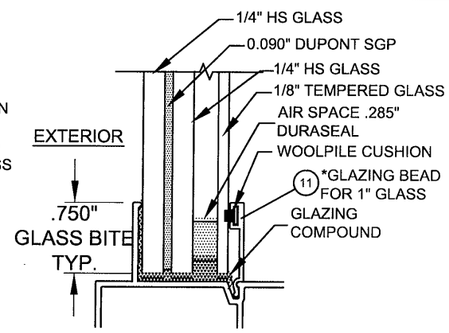
17 RECESSED FR HEAD OR SILL FLANGE



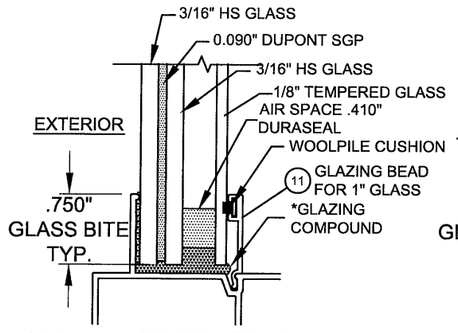
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-1106.03
Expiration Date Sept. 16, 2014
By Miami Dade Product Control



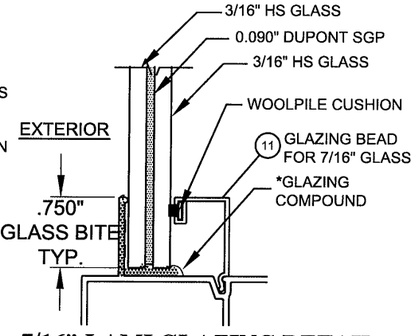
9/16" LAMI GLAZING DETAIL
GLASS TYPE 'A'



1" LAMI+IG GLAZING DETAIL
GLASS TYPE 'B'



1" LAMI+IG GLAZING DETAIL
GLASS TYPE 'E'



7/16" LAMI GLAZING DETAIL
GLASS TYPE 'F'

BILL OF MATERIALS

ITEM #	PART DESCRIPTION	PART # OR DWG NO.	MATERIAL
1	FRAME HEAD-EQ LEG	FE 5900	ALUM. EXTRUSION (6063-T6)
2	FRAME HEAD-FLANGE	FE 5907	ALUM. EXTRUSION (6063-T6)
3	FRAME SILL-EQ LEG	FE 5900	ALUM. EXTRUSION (6063-T6)
4	FRAME SILL-FLANGE	FE 5907	ALUM. EXTRUSION (6063-T6)
5	FRAME JAMB-EQ LEG	FE 5902	ALUM. EXTRUSION (6063-T6)
6	FRAME JAMB-FLANGE	FE 5909	ALUM. EXTRUSION (6063-T6)
7	SILL RETAINER	FE 5910	ALUM. EXTRUSION (6063-T6)
8	FIXED GLASS	NA	SEE GLAZING DETAILS
9	MUNTIN ADAPTER HORIZONTAL	FE 5911	ALUM. EXTRUSION (6063-T6)
10	MUNTIN ADAPTER VERTICAL	FE 5911	ALUM. EXTRUSION (6063-T6)
11	1" GLAZING BEAD 9/16" GLAZING BEAD 7/16" GLAZING BEAD	FE 5912 FE 5914 FE 5915	ALUM. EXTRUSION (6063-T6)
13	JAMB FILLER	FE 5918	ALUM. EXTRUSION (6063-T6)
14	FRAME HEAD OR SILL FILLER	FE 5922	ALUM. EXTRUSION (6063-T6)
15	FRAME ASSEMBLY SCREW	NA	#8 x 3/4" PN SMS SS
16	RECESSED FR HEAD & SILL EQ LEG	FS-07419	ALUM. EXTRUSION (6063-T6)
17	RECESSED FR HEAD & SILL FLANGE	FS-07418	ALUM. EXTRUSION (6063-T6)
18	RECESSED TRACK COVER	FS-04501	ALUM. EXTRUSION (6063-T6)

NOTES:
LAMI: LAMINATED GLASS
IG: INSULATED GLASS

*APPROVED GLAZING COMPOUNDS
1- NATIONAL STARCH HOT MELT
2- DOW CORNING 995 SILICONE

REVISIONS			
SHEET	REV	DESCRIPTION	DATE	BY
.	B	ADDED RECESSED HD/SILL AND TRACK COVER	10/12/12	JBH
.	A	UPDATE TO 2010 FBC	02/14/12	JBH

Robert J. Amoruso, P.E.
FL License No. 49752

ROBERT JAMES AMORUSO LICENSE No 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER 12/29/12

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FBPE Cert. of Auth. No. 25935

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www.windoorinc.com

DRAWING TITLE:
SERIES 3000 FIXED IMPACT (LMI) WINDOW
COMPONENTS, BILLS OF MATERIAL AND GLAZING DETAILS

SIZE	DRAWN BY:	DWG NO.	REV
SIZE	JBH	FEI0003	B
SCALE: NTS	DATE: 06/29/11	SHEET 12OF12	